Spencer Eanes

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EDUCATION

ST. OLAF COLLEGE
Northfield, MN
Graduation: May 2020

Degrees
B.A. Mathematics: 3.92/4.0
B.A. Computer Science: 3.84/4.0
Concen. Statistics: 3.65/4.0

Overall
Cum. GPA: 3.85 / 4.0
Dean's List: F'16, S'17, F'17, S'18

EVANSTON TWP. HS
Grad. May 2016 | Evanston, IL.
Graduated with High Distinction

COURSEWORK

Completed
Algorithms & Data Structures
Statistical Modeling
Linear Algebra
Modern Computational Math
Differential Equations
Software Design + Lab
Mobile Computing Apps
Abstract Algebra
Calculus I-III
Statistics for Science

In Progress
Robotics
Data Management

SKILLS

PROGRAMMING
Proficient Languages:
C++ • R • Python
Mathematica • SQL
Proficient Tools:
Bash • Git • ROS

OPERATING SYSTEMS
Linux (CentOS, Ubuntu)
Windows (XP, 7, 8 , 10)
Android (6 - 9)

EXPERIENCE

NATL. CENTER FOR EDUCATION STATISTICS | JPSM Junior Fellow
May 2018 - Aug 2018 | Washington, District of Columbia

- Selected by University of Maryland Joint Program in Survey Methodology for Junior Fellow summer position, interning at NCES.
- Worked on data analysis using 2015-16 School Survey on Crime and Safety dataset, generating summary reports using R, publication in process.

ST. OLAF COMPUTER SCIENCE DEPT. | Software Design TA
Feb 2018 – May 2018 | Northfield, MN

- Attending a weekly lab to answer questions and facilitate student problem-solving.
- Grade labs submitted through GitLab.
- Created bash script toolkit to automate grading process.

ST. OLAF CENTER FOR UNDERGRADUATE RESEARCH | Researcher
May 2017 – Aug 2017 | Northfield, MN

- 10-week team oriented research experience with culminating presentation.
- Investigated the use of lie symmetries in the invariantization of numerical schemes.
- Compared the accuracy of invariant vs. non-invariant numerical schemes applied to differential equations. Paper in process for publication.

PROJECTS

COMAP ICM 2018 PROBLEM D | Team Member
February 2018 | Northfield, MN

Developed a mathematical model to determine the optimal placement of electric vehicle charging stations, and created a proposal to convert an entire nation from gas to electric vehicles.

SUMMER RESEARCH PRESENTATIONS | Research Co-Presenter
August 2017, October 2017 | Northfield, MN

Worked with Shane Koseriadzki and Professor Joe Benson to create a poster and presentation materials as well as academic paper based on summer research, presented at the end of summer research colloquium in early August, and again at the Northfield Undergraduate Research Colloquium in early October. The material was presented at the Midstates Math Consortium at the University of Chicago.

AWARDS

2018	International	CoMAP ICM Competitor, Honorable Mention
2017	National	USCLAP Introductory Statistics First Prize Winner
2016	Institutional	St. Olaf Buntrock Scholar, Highest Academic Scholarship
2016	National	National Merit Commended Scholar
2015	International	CoMAP HiMCM Competitor, Honorable Mention
2014	International	CoMAP HiMCM Competitor, Meritorious Winner

EXTRACURRICULARS

Fall 2018	Study Abroad at University of Aberdeen, Scotland
Sep - Dec 2017	Resiliance, Empathy, Assertiveness Listening Training Member
Fall 2017	St. Olaf Academic Support Center Tutor
Fall 2016 - Present	St. Olaf Stewardship Office Assistant
Fall 2016 - Present	Men's Club Volleyball